



PATANO + HAFERMANN ARCHITECTS

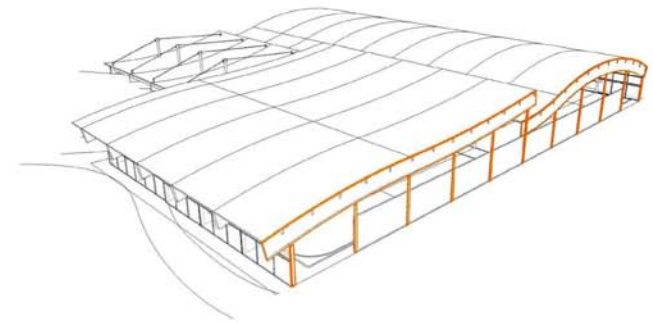
LAKE SAMMAMISH STATE PARK DESIGN COMPETITION



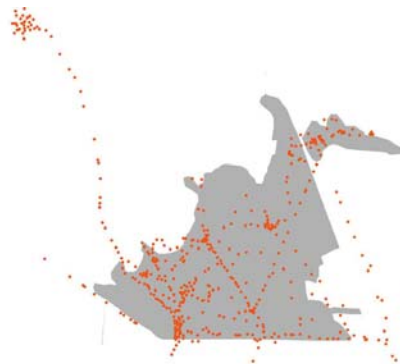
Influenced by forces ranging from ancient seismic events to more recent human activity, Lake Sammamish State Park has a rich history and remains a refuge of green between the edge of urbanization and the shore of the lake. The park's 512 acres hold a wide variety of landscapes - from sandy expanses of beach to meandering streams and wetland areas, from forested hillsides to open meadows and lawns. This varied landscape has been used as a gathering place for centuries: native tribes used the site for the annual potlatch, settlers farmed the fertile land and raised dairy cattle. Today the park is used for both active and passive recreational pursuits.

The Lake Sammamish Architectural Design Competition calls for the conceptual development of five potential public recreation facilities within the boundary of the park: an Indoor Soccer Center, Boathouse, Waterfront Activity Center, Bath House and Boardwalk and Retreat Center.

Patano+Hafermann Architects have met the challenge of introducing new buildings and programs into Lake Sammamish State Park. We believe that the essential nature of the park should not be compromised, but used as the foundation for interpreting the site. Three conceptual elements: **MARKERS**, **PATHS** and **WAVES** serve as guides to establish order and create connections between the individual buildings and the park as a whole. The buildings emerge to translate the elemental qualities of Lake Sammamish State Park into a tangible experience.



INDOOR SOCCER CENTER



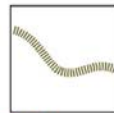
markers
vertical plane

repetitive elements in the vertical plane
provide direction and wayfinding
signify gathering places, entry points and vistas



BOATHOUSE

markers



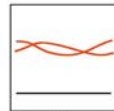
paths
horizontal plane

movement in the horizontal plane
connect buildings and activities



WATERFRONT ACTIVITY CENTER

paths



waves
overhead plane

sheltering overhead plane
building roof forms



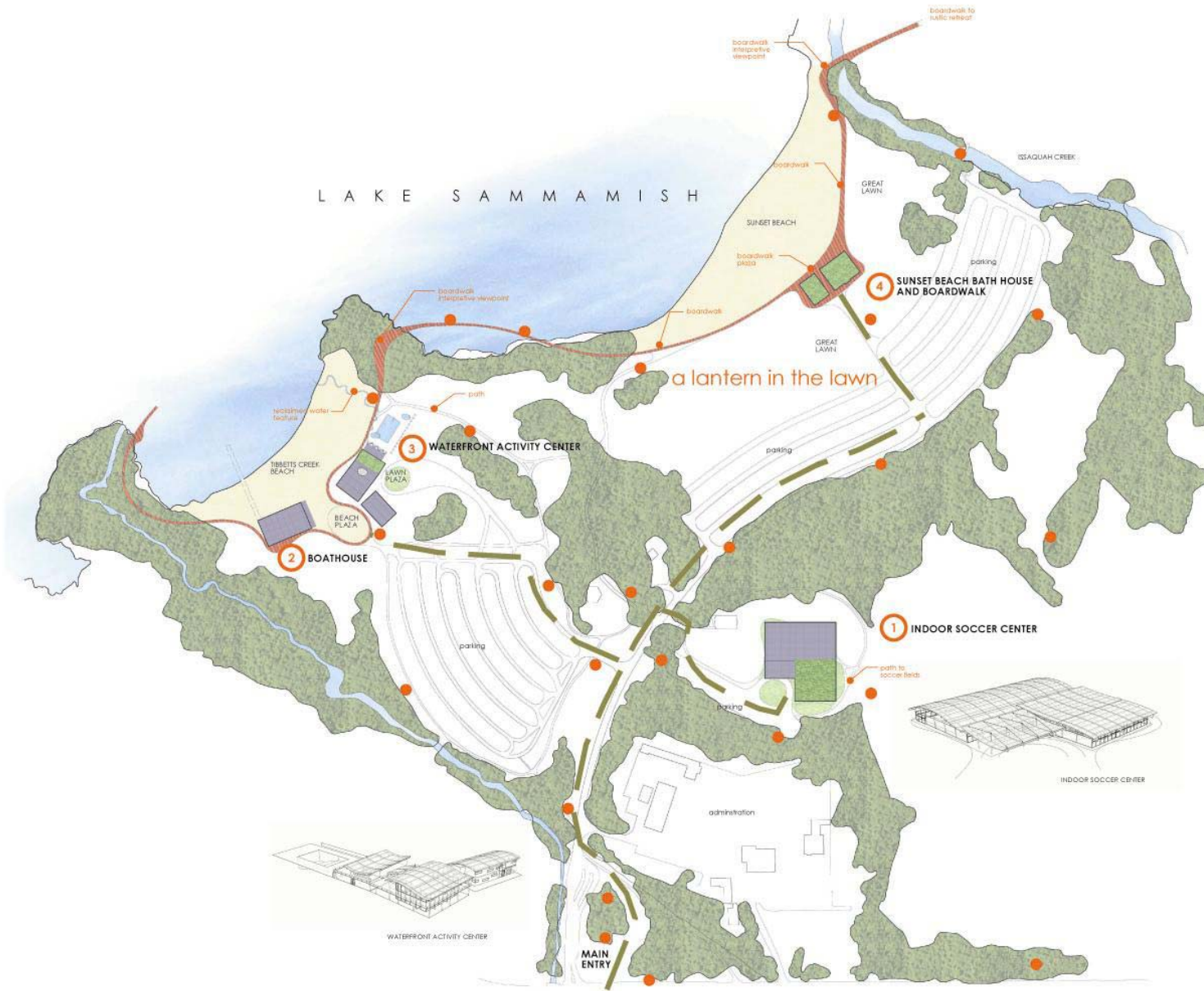
BATH HOUSE

waves

C O N N E C T I V I T Y



RUSTIC RETREAT LODGE



LAKE SAMMAMISH

a lantern in the lawn

2 BOATHOUSE

3 WATERFRONT ACTIVITY CENTER

1 INDOOR SOCCER CENTER

4 SUNSET BEACH BATH HOUSE AND BOARDWALK

⊕ SITE PLAN 1:100



first floor conditioned space:
upper level: 10,000 sq ft

8,000 ± 1
5,000 ± 1

upper level viewing area:
large playing field:
small playing field:

5,000 af
20,500 af
11,200 af

small playing field:
total population of

11,300 ft
8,000 ft

total conditioned space
total covered area

8,000 sf
37,600 sf

building and fields:

216 × 24

structural system: spread

columns.

Curved glass beam

mechanical systems: heat exchange system

environmental strategies: green roof, use of efficient heating/cooling system, daylighting

efficient heating/cooling system, daylighting, natural ventilation, entrance fixtures and lighting controls, gray water reuse, rainwater supplemental use for water feature(s), non-toxic interior adhesives and finishes.

project cost data:

fully conditioned space;
covered space:

\$50/4

\$ 540.00
\$1,880.00

estimated project

\$2,440.00



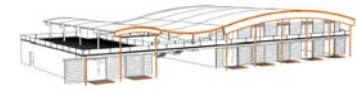
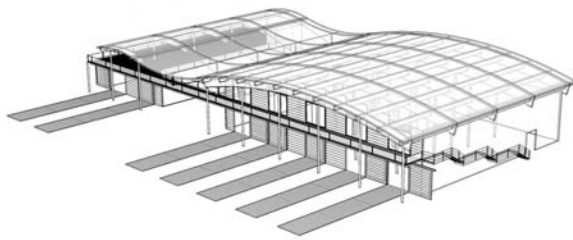
1:32











LAKE SAMMAMISH

TIBBETTS CREEK BEACH

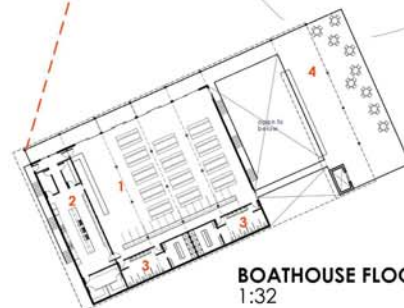
TIBBETTS CREEK

WATERFRONT BOATHOUSE LEGEND

- first floor**
1. shell storage
 2. covered outdoor ramp/work area
 3. kayak/canoe storage
 4. mechanical
 5. office
 6. restroom
 7. rental office
- second floor**
1. meeting space/exercise room
 2. kitchen
 3. locker room
 4. upper level deck

to interpretive boardwalk

2 BOATHOUSE FLOOR 1 1:32



BOATHOUSE FLOOR 2 1:32

WATERFRONT ACTIVITY CENTER LEGEND

- first floor**
1. cafe
 2. kitchen
 3. entry lobby
 4. reception
 5. gift support
 6. office
 7. restrooms
 8. locker/shower/changing
 9. mech/storage
 10. ramp
 11. splash pool
 12. car lot
 13. connection
 14. kids' space/daycare
 15. teen room
- second floor**
1. restaurant
 2. kitchen
 3. upper lobby
 4. gift
 5. restrooms
 6. storage/mechanical
 7. outdoor deck
 8. meeting/conference
 9. office

water feature

boardwalk

screen fence

access road

LAWN PLAZA

BEACH PLAZA

play area

staging area

3 WATERFRONT ACTIVITY CENTER FLOOR 1 1:32

WATERFRONT BOATHOUSE

building summary

Boathouse approx. dimensions:	185' x 80' (incl. 40' wide outdoor work area)	11,300 sq ft
covered outdoor work space:		3,200 sq ft
Boathouse activity area:		3,300 sq ft
second floor deck:		3,300 sq ft
structural system:	concrete footings, slab on grade, steel pipe columns, curved glulam beams w/glulam purlins, structural wood decking	
mechanical systems:	shared (with WAC) geothermal heat exchange pump for upper-level activity area, boat storage unheated	
environmental strategies:	use of engineered wood, recycled steel, efficient lighting, landscaping, natural ventilation, efficient fixtures and lighting controls, gray water reuse, rainwater supplemental use for water features, non-toxic interior finishes and adhesives	
project cost data:		
boat storage:	\$90/sq ft	\$ 904,000
activity area:	\$150/sq ft	\$1,200,000
estimated project cost:		\$2,104,000

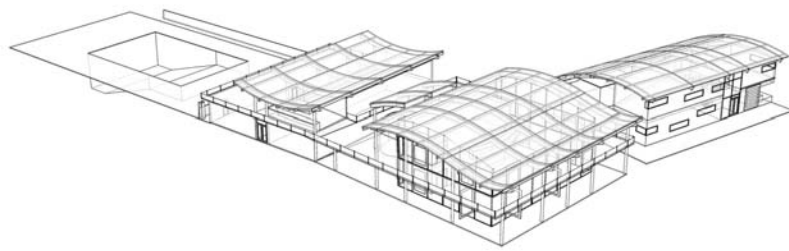
WATERFRONT ACTIVITY CENTER

building summary

Activity center building:		25,000 sq ft
second floor deck:		6,400 sq ft
pool activity area:		12,600 sq ft
Building 1 approx. dimensions:	140' x 54'	
Building 2 approx. dimensions:	40' x 64'	
structural system:	concrete footings, slab on grade, steel pipe columns, curved glulam beams w/glulam purlins, structural wood decking	
mechanical systems:	shared (with Boathouse) geothermal heat exchange system, low flow fixtures, hot water heat recovery system	
environmental strategies:	use of engineered wood, recycled steel, efficient lighting, landscaping, natural ventilation, efficient fixtures and lighting controls, gray water reuse, rainwater supplemental use for water features, non-toxic interior finishes and adhesives	
project cost data:		
activity center:	\$175/sq ft	\$4,375,000
pool area:	\$200/sq ft	\$ 2,220,000
estimated project cost:		\$6,595,000







LAKE SAMMAMISH

TIBBETTS CREEK BEACH

TIBBETTS CREEK

WATERFRONT ACTIVITY CENTER LEGEND

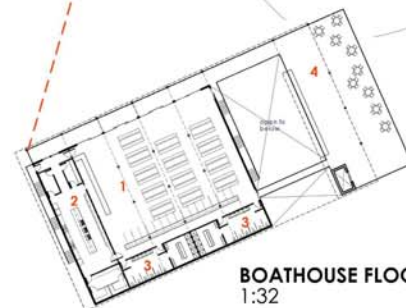
- first floor**
1. cafe
 2. kitchen
 3. entry lobby
 4. reception
 5. gift support
 6. office
 7. restrooms
 8. locker/shower/changing
 9. mech/storage
 10. pool
 11. splash pool
 12. car lot
 13. concession
 14. kids' space/daycare
 15. teen room
- second floor**
1. restaurant
 2. kitchen
 3. upper lobby
 4. gym
 5. restrooms
 6. storage/mechanical
 7. outdoor deck
 8. meeting/conference
 9. office

WATERFRONT BOATHOUSE LEGEND

- first floor**
1. shell storage
 2. covered outdoor ramp/work area
 3. kayak/canoe storage
 4. mechanical
 5. office
 6. restroom
 7. rental office
- second floor**
1. meeting space/exercise room
 2. kitchen
 3. locker room
 4. upper level deck

to interpretive boardwalk

2 BOATHOUSE FLOOR 1 1:32



BOATHOUSE FLOOR 2 1:32

WATERFRONT BOATHOUSE

building summary

Boathouse approx. dimensions: 185' x 80' (incl. 40' wide outdoor work area)
 covered outdoor work space: 3,200 sq ft
 Boathouse activity area: 3,300 sq ft
 second floor deck: 3,300 sq ft
 Boathouse approx. dimensions: 185' x 80' (incl. 40' wide outdoor work area)
 structural system: curved rafters, slab on grade, steel pipe columns, curved glulam beams w/glulam purlins, structural wood decking
 mechanical systems: shared (with WAC) geothermal heat exchange pump for upper-level activity area, boat storage overhead
 environmental strategies: use of engineered wood, recycled steel, efficient heating/cooling, natural ventilation, efficient fixtures and lighting controls, gray water reuse, rainwater supplemental use for water features, non-toxic interior finishes and adhesives
 project cost data:
 boat storage: \$90/sq ft
 activity area: \$150/sq ft
 estimated project cost: \$2,104,000

11,300 sq ft

3,200 sq ft

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SUNSET BEACH

boardwalk plaza

GREAT LAWN

SUNSET BEACH BATH HOUSE LEGEND

first floor

1. cafe
2. concession
3. kitchen
4. equipment rental
5. waterfront equipment storage
6. lifeguard offices
7. rinse area
8. changing room
9. family changing room
10. exterior access restrooms

GREAT LAWN



BATH HOUSE FLOOR PLAN 1:32

SUNSET BEACH BATH HOUSE AND BOARDWALK PLAZA building summary

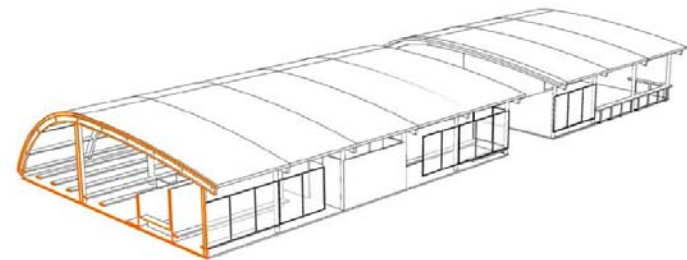
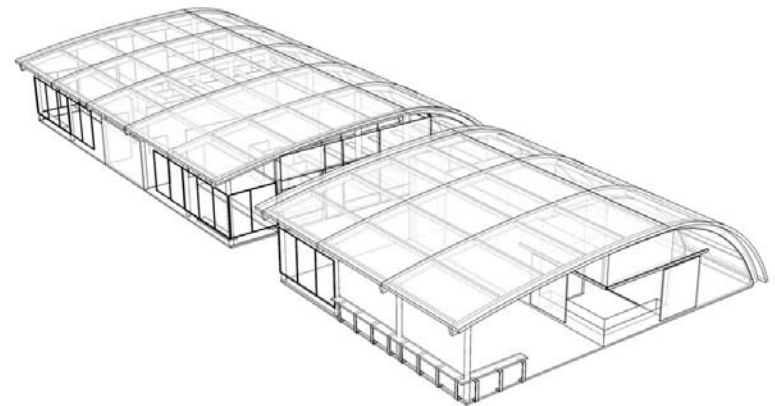
bath house: 13,000 sf
boardwalk and plaza: 17,000 sf
bathhouse approx. dimensions: 180' x 75'

structural system: slab on grade, steel pipe columns, curved glue-laminated beams, structural wood decking.

mechanical systems: heat pump, low flow fixtures, hot water heat recovery system.

environmental strategies: green roof, use of engineered wood, recycled steel, efficient heating system, daylighting, natural ventilation, efficient fixtures and lighting controls, gray water reuse, non toxic interior adhesives and finishes.

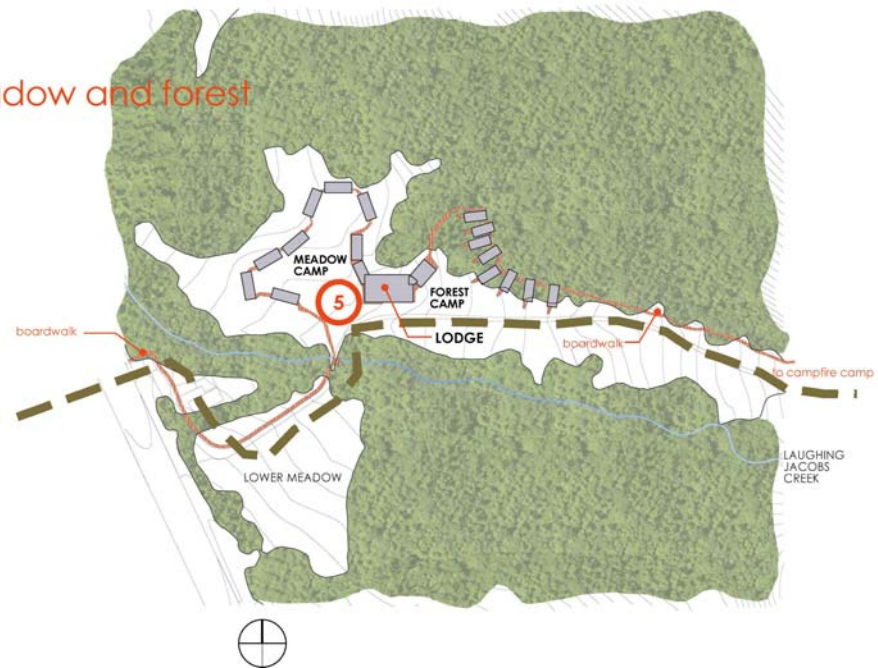
project cost data:
bath house: \$80/sf \$1,040,000
boardwalk/plaza: \$35/sf \$ 595,000
estimated project cost: \$1,635,000

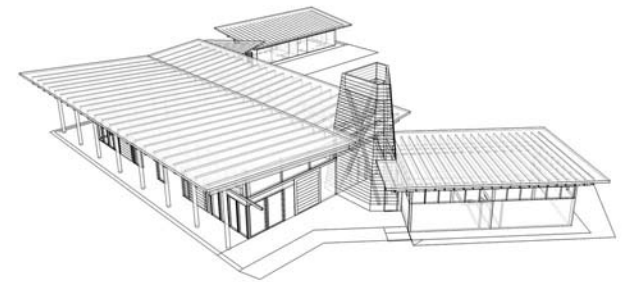
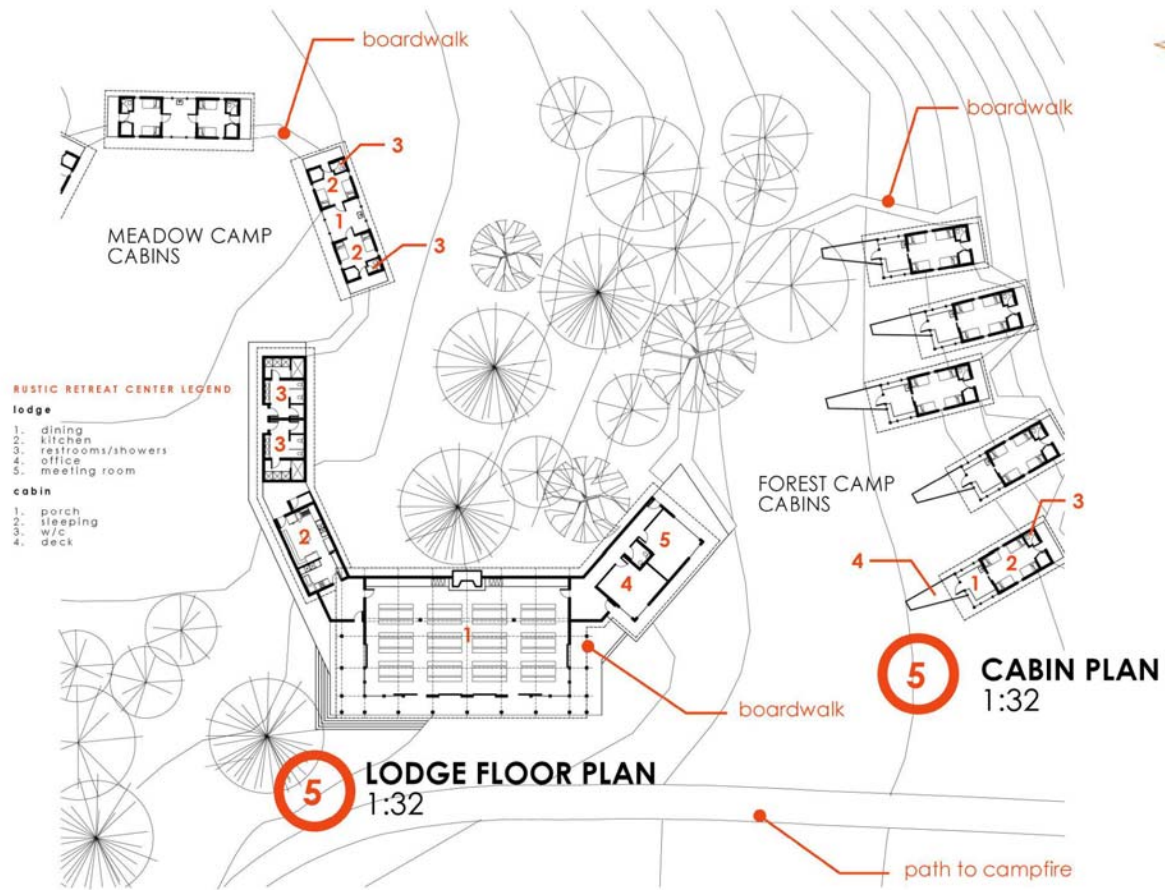






a bridge between meadow and forest





**RUSTIC RETREAT CENTER
building summary**

lodge:	4,100 sf	
forest camp cabins:	448 sf	
meadow camp cabins:	580 sf	
lodge approx. dimensions:	154' x 48'	
forest camp cabin dimensions:	32' x 14'	
meadow camp cabin dimensions:	14' x 42'	
structural system: concrete and wood pier foundation, wood columns, glulam beams w/engineered purlins, structural wood decking.		
mechanical systems: radiant heat w/lightweight topping slab in lodge, individual in-wall heater units in cabins.		
environmental strategies: use of engineered wood, lightweight recycled content concrete, efficient heating system, thermal mass, daylighting, natural ventilation, efficient fixtures and lighting controls, gray water reuse, non-toxic interior adhesives and finishes.		
project cost data:		
lodge:	\$195/sf	\$ 799,500
cabins (15):	\$50/sf	\$ 385,000
estimated project cost:		\$1,184,500





